



# Mouse anti-Human Kalinin B1 monoclonal antibody, clone 28 (CABT-B9224)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Immunogen</b>	Human Kalinin B1 aa. 1009-1170
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human, Dog
<b>Clone</b>	28
<b>Purification</b>	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB; IF; IP
<b>Format</b>	Liquid
<b>Concentration</b>	250 µg/ml
<b>Size</b>	50 µg
<b>Buffer</b>	Aqueous buffered solution containing BSA, glycerol, and ≤0.09% sodium azide.
<b>Storage</b>	Store undiluted at -20°C.

## BACKGROUND

**Introduction** Kalinin is an epithelial cell laminin. It is a structural component of the dermal-epidermal junction

of skin and basement membrane. The full molecule is composed of a 200 kDa A subunit, a 155 kDa B2 subunit, and a 140 kDa B1 subunit. Another B1k subunit with a predicted molecular weight of 126.9 kDa is encoded by a 3.9kb gene. The apparent molecular weight of Kalinin B1k is 140 kDa due to glycosylation. Its structure is divided into a long arm and a short arm domain that bind and crosslink with the other kalinin subunits.

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**Keywords**

LAMB1; laminin, beta 1; CLM, cutis laxa with marfanoid phenotype; laminin subunit beta-1; laminin B1 chain; CLM; MGC142015

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